

Antenna Installation Guide

Trucker Mirror Mount Cellular Antenna

PART# 301101



Features:

- Dual band (800 / 1900 MHZ)
- Analog and digital
- Improves voice and data signal quality
- Mobile, marine and in-building use
- Mounting options available for any application
- Built-in ground plane allows for mounting on any surface

30-Day Money-Back Guarantee

All Wilson Electronics products are protected by Wilson's 30-day money-back guarantee. If, for any reason, the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

1-Year Warranty

Wilson Electronics Trucker Mirror Mount Dual-Band Cellular Antenna is warranted for one (1) year against defects in workmanship and / or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Antennas may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by Wilson Electronics. Wilson shall, at its option, either repair or replace the product. Wilson Electronics will pay for delivery of the repaired or replaced product back to the original consumer.

This warranty does not apply to any antennas determined by Wilson Electronics to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

RMA numbers may be obtained by phoning Technical Support at 866-294-1660.

How It Works

Wilson's Trucker Mirror-Mount Cellular Antenna will collect the cell tower signal and send it through the cable to an amplifier or directly to the cell phone or laptop data card. When the cell phone or data card transmits, the signal is transferred to an amplifier or directly to the antenna and broadcast back to the cell tower.

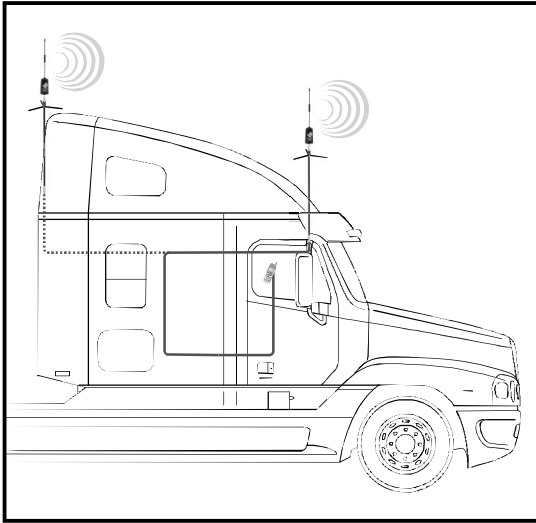
Antenna Adapter Required – Sold Separately

A phone/data card-specific, six-inch antenna adapter is required when connecting the antenna directly to a cell phone. To identify the correct adapter, see Wilson's Adapter Guide at www.wilsonelectronics.com or call Technical Support at 866-294-1660.

Adapter type may vary depending on your cell phone or laptop data card.



Disclaimer: The information provided by Wilson Electronics, Inc. is believed to be complete and accurate. However, no responsibility is assumed by Wilson Electronics, Inc. for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

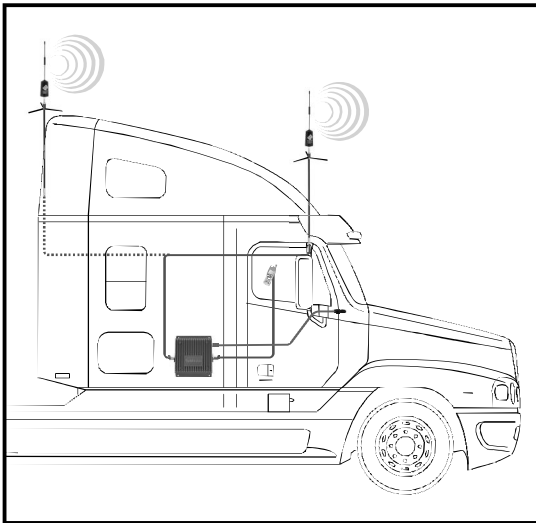


Installing the Antenna

CAUTION: If you used a knife to remove the Trucker antenna from the packaging, check to make sure that you did NOT cut the antenna cable.

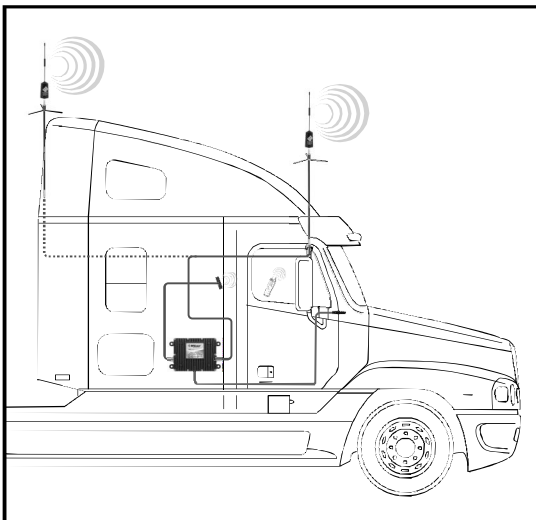
Screw the six antenna radials into the holes under the plastic coil housing on the antenna. The included thread-locker liquid must be used to ensure the radials do not vibrate loose. Tighten the radials snugly with a wrench.

For best performance, it is important to install the antenna as high on the truck cab as possible. The radials should be no lower than the top of the truck cab. We recommend that when using a Wilson mobile wireless amplifier, to install the trucker antenna on the top, rear area of the cab, the grab bar or the headache rack.



Install the antenna at least 8 inches away from any other antennas to avoid interference. To avoid impact damage, Wilson recommends installing the antenna on the driver's side with a spring between the antenna and the mount. Impact damage is NOT covered under warranty. Any antenna mount that has a standard 3/8" x 24-thread female receptacle will work with the trucker antenna.

Secure the antenna onto the mount by tightening with a 9/16" wrench. **CAUTION:** Do NOT over tighten.



Route the cable from the trucker antenna to the cell phone/cellular data card adapter (sold separately) or to the amplifier's connector.

Extension cables up to 10 feet in length are available. (sold separately)



Warning: Verify that both the outside antenna and the adapter extension cable are connected to the amplifier before powering up the amplifier.

Antenna Specifications

| | |
|-----------------|--|
| Part Number | 301101 |
| Frequency Range | 806-894 MHz / 1850-1990 MHz |
| Impedance | 50 ohms |
| Antenna Gain | 5.12 dBi 806-894 MHz / 6.12 dBi 1850-1990 MHz |
| Radiation | Omni |
| Polarization | Vertical |
| Wavelength | 0.9 Wavelength 806-894 MHz / 1.95 Wavelength 1850-1990 MHz |
| Ground Plane | Built-in Ground Plane |
| Connector | FME Female |
| Material | Whip - Stainless Steel / Extension - Fiberglass |
| Coax Cable | RG58 - 10.5 feet / 3.2 meters |
| Height | 32.0625 inches / 81.45 cm |
| Mount | Standard CB 3/8 inch x 24 thread |

Wilson Amplifiers Boost Coverage Even More

A Wilson Electronics amplifier (sold separately), when used in conjunction with your antenna, can improve your cell phone and laptop data card coverage area up to 50 miles. Wilson manufactures a wide range of wireless and direct-connection amplifiers for mobile or in-building use. See your dealer for details or visit www.wilsonelectronics.com.



3301 East Deseret Drive, St. George UT 84790

For additional Technical Support visit

www.wilsonelectronics.com

Phone: 866-294-1660

Fax: 435-656-2432

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